RM-D1K

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

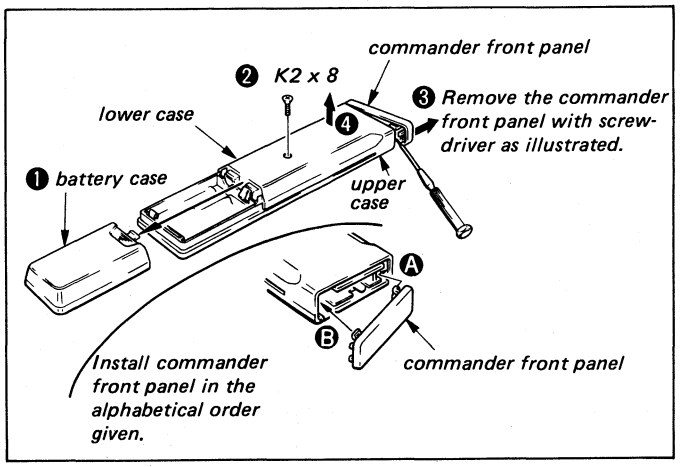
Transmitter : RM-D10

Receiver : RMR-88

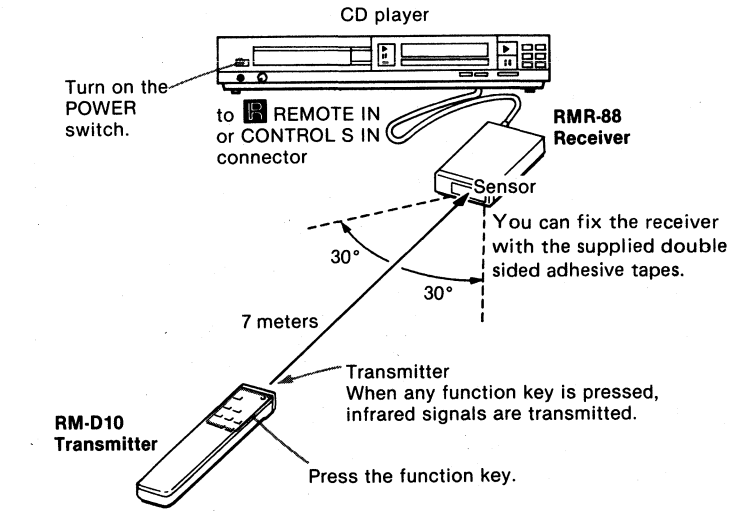
SPECIFICATIONS

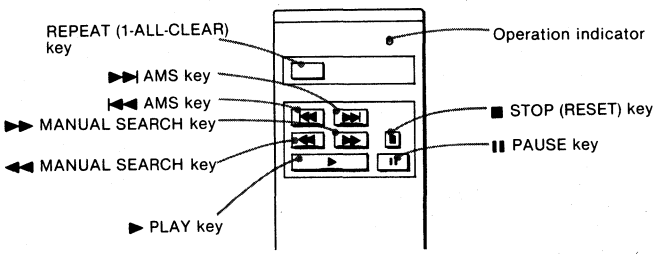
Remote control system	Infrared control
Power requirements	Transmitter: 3 V dc with two batteries IEC designation R6 (size AA)
Dimensions	Receiver: 75 × 23 × 110 mm (w/h/d) (3 × 29/32 × 4 3/8 inches)
	Transmitter: 43 × 18 × 175 mm (w/h/d) (1 3/4 × 23/32 × 7 inches)
Weight	Receiver: 105 g (3.7 oz)
	Transmitter: 110 g (3.8 oz) including batteries

1. TRANSMITTER REMOVAL



OPERATION





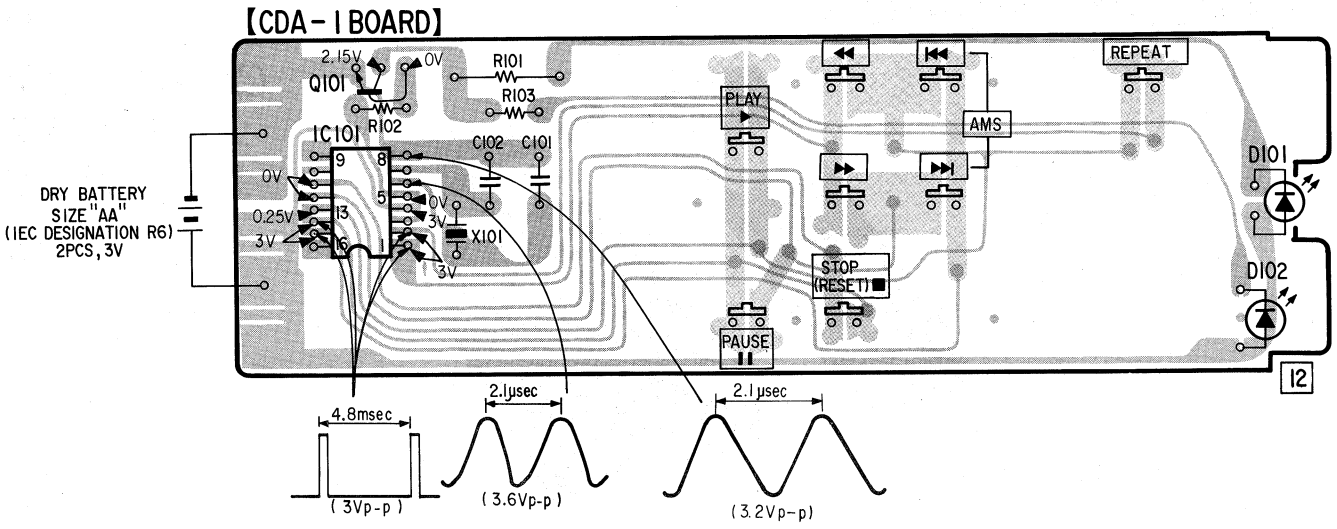
WIRELESS REMOTE CONTROL KIT

SONY®

MICROFILM

ACC

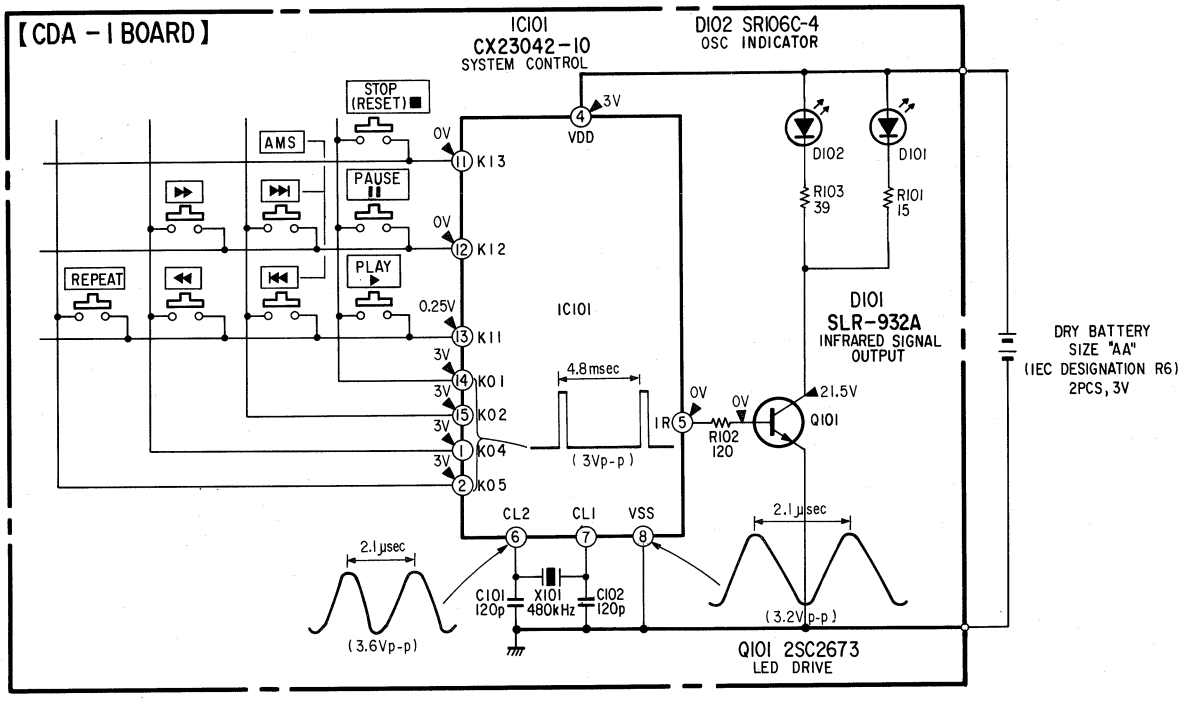
2. MOUNTING DIAGRAM
– Transmitter RM-D10 –



Note:

- ▒▒▒: B + pattern
- ▒▒▒: carbon pattern.

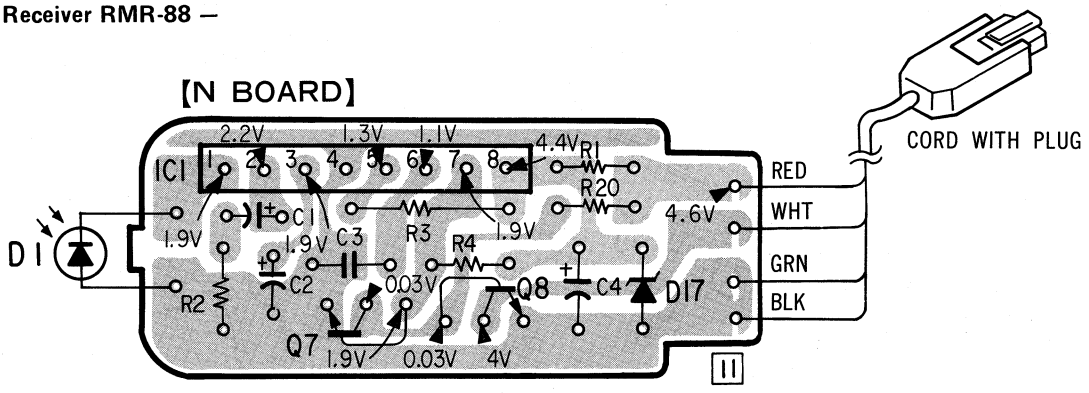
3. SCHEMATIC DIAGRAM
– Transmitter RM-D10 –



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▬▬: B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50kΩ/V).
  no mark : key switch OFF mode.
  ( ) : key switch ON mode.
- Voltage variations may be noted due to normal production tolerances.

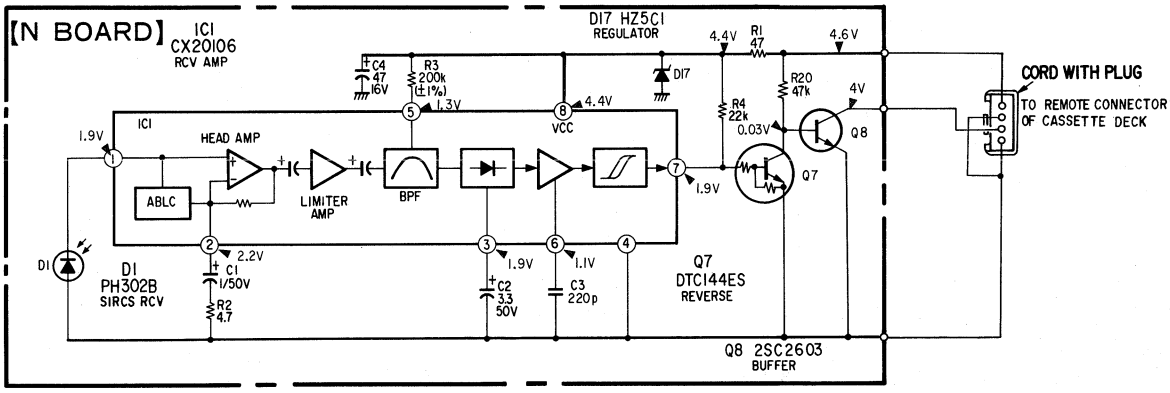
4. MOUNTING DIAGRAM
— Receiver RMR-88 —



Note:

- ○— : parts extracted from the component side.
- ▒▒ : B + pattern

5. SCHEMATIC DIAGRAM
— Receiver RMR-88 —

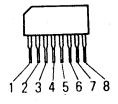


Note:

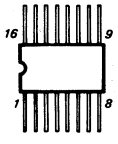
- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▬▬ : B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50kΩ/V), connected with a cassette deck.
- Voltage variations may be noted due to normal production tolerances.

• Semiconductor Lead Layouts

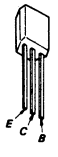
CX20106



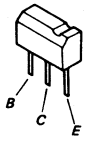
CX23042-10



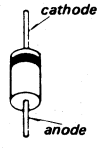
2SC2603-F
DTC144ES



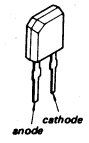
2SC2673



HZ5C1

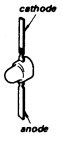


PH302B



SLR-932A

SR106C-4



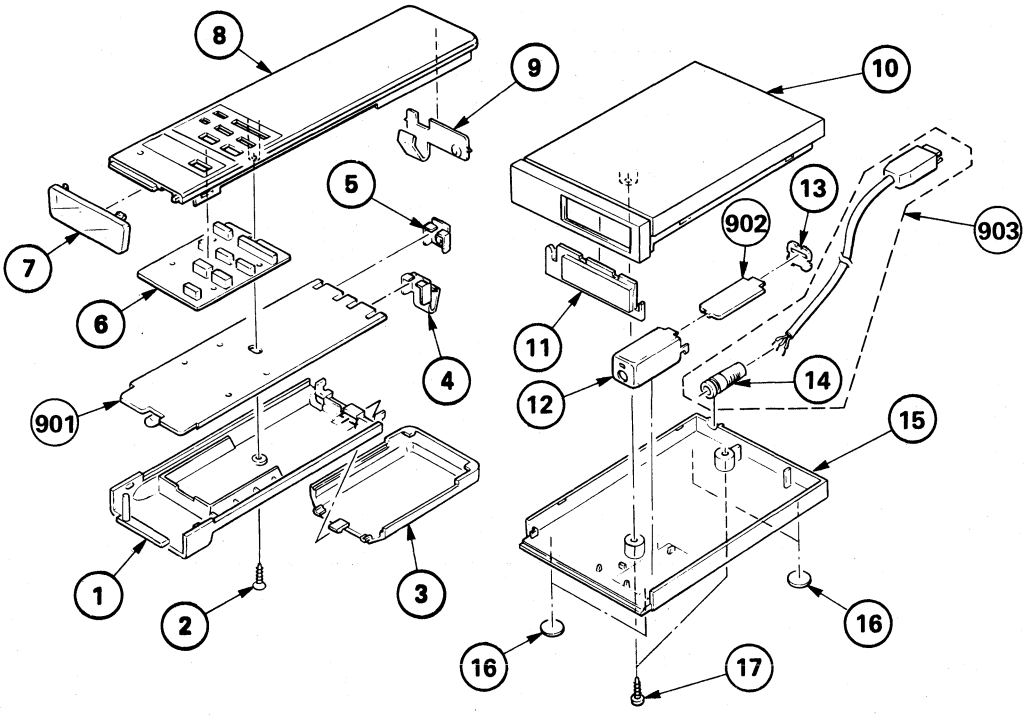
6. EXPLODED VIEW AND PARTS LIST

NOTE:
The mechanical parts with no reference number in the exploded views are not supplied.

· Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

CAPACITORS:
MF:µF, PF:µµF.

RESISTORS
· All resistors are in ohms.
· F : nonflammable



GENERAL SECTION

No.	Part No.	Description	Remarks
1	2-354-408-01	CASE (LOWER)	
2	7-685-205-19	SCREW +KTP 2X8 TYPE2 NON-SLIT	
3	2-354-405-01	CASE, BATTERY	
4	4-370-638-01	TERMINAL (B), BATTERY	
5	4-370-637-01	TERMINAL (A), BATTERY	
6	2-354-416-01	RUBBER, CONTACT	
7	2-354-411-01	PANEL, FRONT, COMMANDER	
8	X-2354-403-1	CASE ASSY, UPPER	
9	4-350-925-11	TERMINAL (C), BATTERY	
10	2-366-607-51	CASE (2), UPPER	
11	2-366-609-00	PLATE (2), FROSTED	
12	*4-342-117-00	CASE, SHIELD (MAIN), R	
13	*4-342-118-00	LID, SHIELD CASE, R	
14	2-192-616-11	BUSHING (DIA. 4.3), CORD	
15	2-366-608-00	CASE (2), LOWER	
16	2-270-305-00	FOOT, RUBBER	
17	7-685-134-14	SCREW +P 2.6X8 TYPE2 SLIT	

ACCESSORY & PACKING MATERIAL

Part No.	Description
2-354-414-01	FRAME, INNER
2-354-417-01	INDIVIDUAL CARTON
3-701-622-00	BAG, POLYETHYLENE
3-701-618-00	BAG, POLYETHYLENE
3-701-628-00	BAG, POLYETHYLENE
3-760-573-11	MANUAL, INSTRUCTION
4-907-610-01	JOINT

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*1-616-052-11	PC BOARD, CDA-1			
902	*1-615-688-11	PC BOARD, N			
903	X-2354-401-1	CORD ASSY			
C1	1-123-611-00	ELECT	1MF	20%	50V
C2	1-123-613-00	ELECT	3.3MF	20%	50V
C3	1-102-110-00	CERAMIC	220PF	10%	50V
C4	1-123-821-00	ELECT	47MF	20%	16V
C101	1-102-107-00	CERAMIC	120PF	10%	50V
C102	1-102-107-00	CERAMIC	120PF	10%	50V
D1	8-719-110-32	DIODE PH302B			
D17	8-719-911-50	DIODE HZ5C1			
D101	8-719-912-39	DIODE SLR-932A			
D102	8-719-107-95	DIODE SR106C-4			
IC1	8-752-010-60	IC CX20106			
IC101	8-759-922-19	IC CX23042-10			
Q7	8-729-900-89	TRANSISTOR DTC144ES			
Q8	8-729-606-33	TRANSISTOR 2SC2603-F			
Q101	8-729-967-32	TRANSISTOR 2SC2673			
R1	1-247-799-00	CARBON	47	5%	1/6W
R2	1-247-775-00	CARBON	4.7	5%	1/6W
R3	1-214-784-00	METAL	200K	1%	1/4W
R4	1-247-863-00	CARBON	22K	5%	1/6W
R20	1-247-871-00	CARBON	47K	5%	1/6W
R101	1-247-073-00	CARBON	1.5	5%	1/4W
R102	1-247-809-00	CARBON	120	5%	1/8W
R103	1-247-797-00	CARBON	39	5%	1/8W
X101	1-527-476-00	OSCILLATOR, CERAMIC			

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